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(54) FLAME-RETARDANT HALOGENATED RESIN COMPOSITION FOR TRANSPARENT MOLDING

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain excellent flame retardancy by blending a halogenated resin with an Sb<sub>2</sub>O<sub>5</sub> powder having a mean particle diameter below a specified value and a  $\beta$ -diketone compound or a metal salt thereof.

SOLUTION: A halogenated resin such as a vinyl chloride resin in an amount of 100 pts.wt. is blended with 1.0-10 pts.wt. Sb<sub>2</sub>O<sub>5</sub> powder having a mean particle diameter of at most 30 $\mu$ m and 0.01-5 pts.wt.  $\beta$ -diketone compound or zinc salt thereof, such as dibenzoylmethane or zinc salt thereof. If necessary, this mixture is blended with a plasticizer such as tricresyl phosphate, a Ba-Zn composite stabilizer, an antioxidant, an antistatic agent, an anti-fogging agent, etc., each in a specified amount, and the blend is kneaded with, e.g. a hot roll to give a flame-retardant halogenated resin composition.

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## LEGAL STATUS

[Date of request for examination]